

California State Board of Equalization
450 N Street, Sacramento, California

Mold Remediation – 8th Floor
Closure Report Addendum
Project No. 2372.02-572

Prepared for:
California Department of General Services
707 Third Street, 3-305
Sacramento, California 95605

Prepared by:
Chris Corpuz, MS, CIH, CAC
Senior Associate
LaCroix Davis LLC

Closure Report Date: August 17, 2010

Addendum Date: October 31, 2012

*Please insert this
Closure Report Addendum
into the rear of the
Floor 8 Closure Report*

1.0 Introduction

On August 9, 2010, LaCroix Davis LLC (LCD) and the Department of General Services Mold Remediation Project Team completed the mold remediation activities initially scheduled for Floor 8 of the Board of Equalization (BOE) building located at 450 N Street, Sacramento, California. At the completion of these activities, a closure report for this floor was compiled by LCD to summarize key events of the project.

Subsequent to the completion of the closure report, a need for additional investigation and/or remediation activities was identified. Identified areas were subjected to sampling. Using a combination of surface tape lift and/or bulk samples, LCD tested stains on walls and other building materials to determine if the stains were indicative of mold growth. The sample locations are depicted in a revised Figure 2 attached to this addendum.

Any information not previously available and information documenting additional mold-related activities was compiled by LCD and included in this addendum.

2.0 Additional Activities

Additional mold-related activities performed on this floor after completion of the floor closure report include:

December 2010	Spill response to a sink overflow also impacting Floor 7 below.
Break room 807	

KEYED SHEET NOTES

- 1 Visible mold growth 2 sq. ft. on ceiling
- 2 Rust stain on carpet
- 3 Water under sink, loosened floor tile

GENERAL NOTES

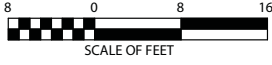
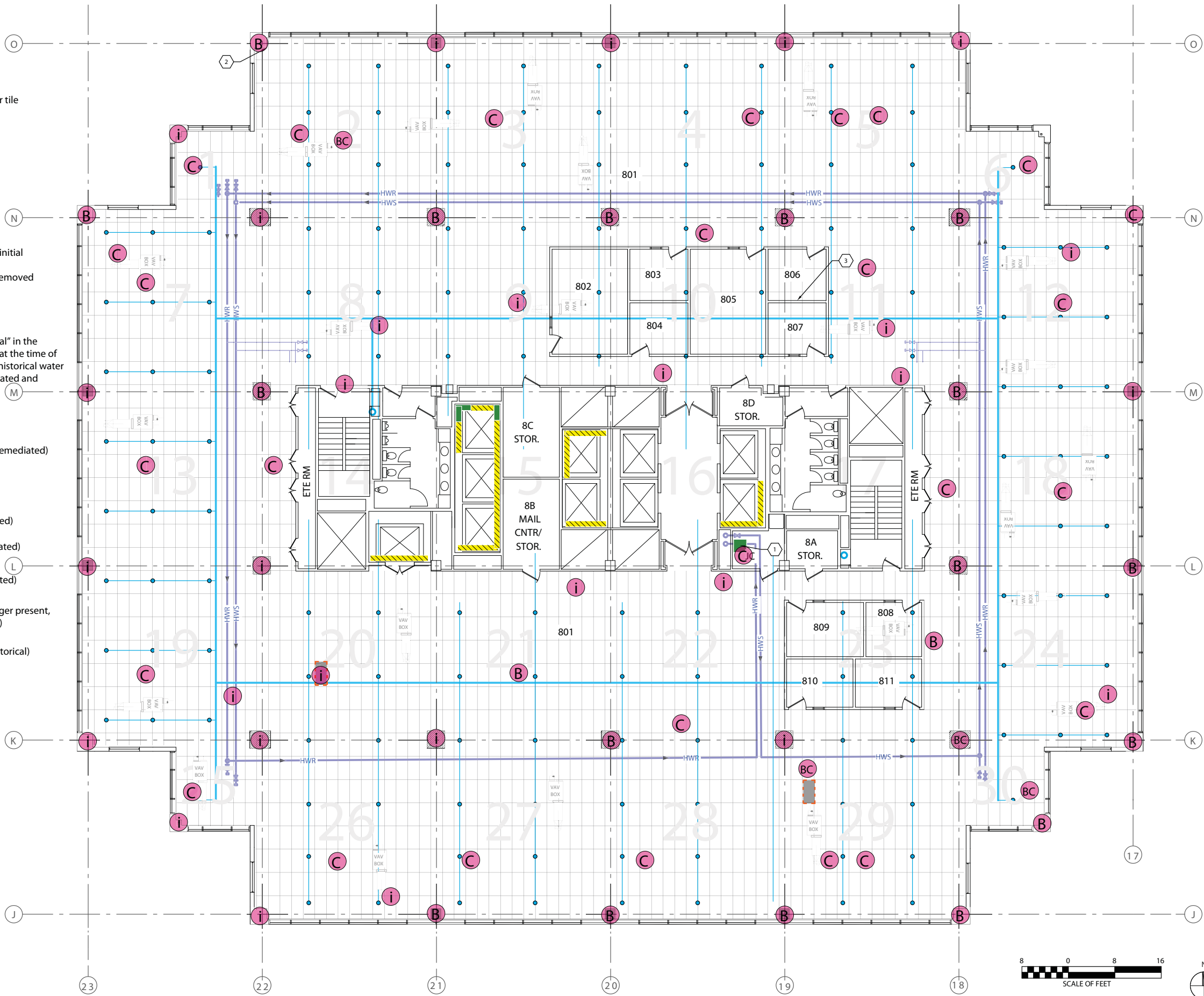
- 1 LCD inspection locations are approximate.
- 2 The location of VAVs (terminal units) is approximate.
- 3 Any mold identified during the initial or supplemental water damage assessment was subsequently removed during the remediation.

LEGEND

The terms "active", "current", and "historical" in the following legend refer to the status found at the time of inspection. All areas of active/current and historical water leaks and mold growth have been investigated and remediated.

- Active water leak (remediated)
- Current water stained surface (remediated)
- Historical water leak/stained surface (remediated)
- Current mold growth (remediated)
- Historical mold growth (remediated)
- Current water on floor (remediated)
- Historical water on floor (no longer present, based on historical records only)
- Destructive testing location (historical)

- 325 Room number
- i LCD inspection location no findings
- A LCD inspection location active leak
- B LCD inspection location water stain
- C LCD inspection location other notation See WDA summary
- BC LCD inspection location with multiple findings "A", "B", or "C" as indicated










State of California
Department of General Services
(DGS No. 125828)
(AGMT. No. 3126150)
(LCD No. 2372.02-572)

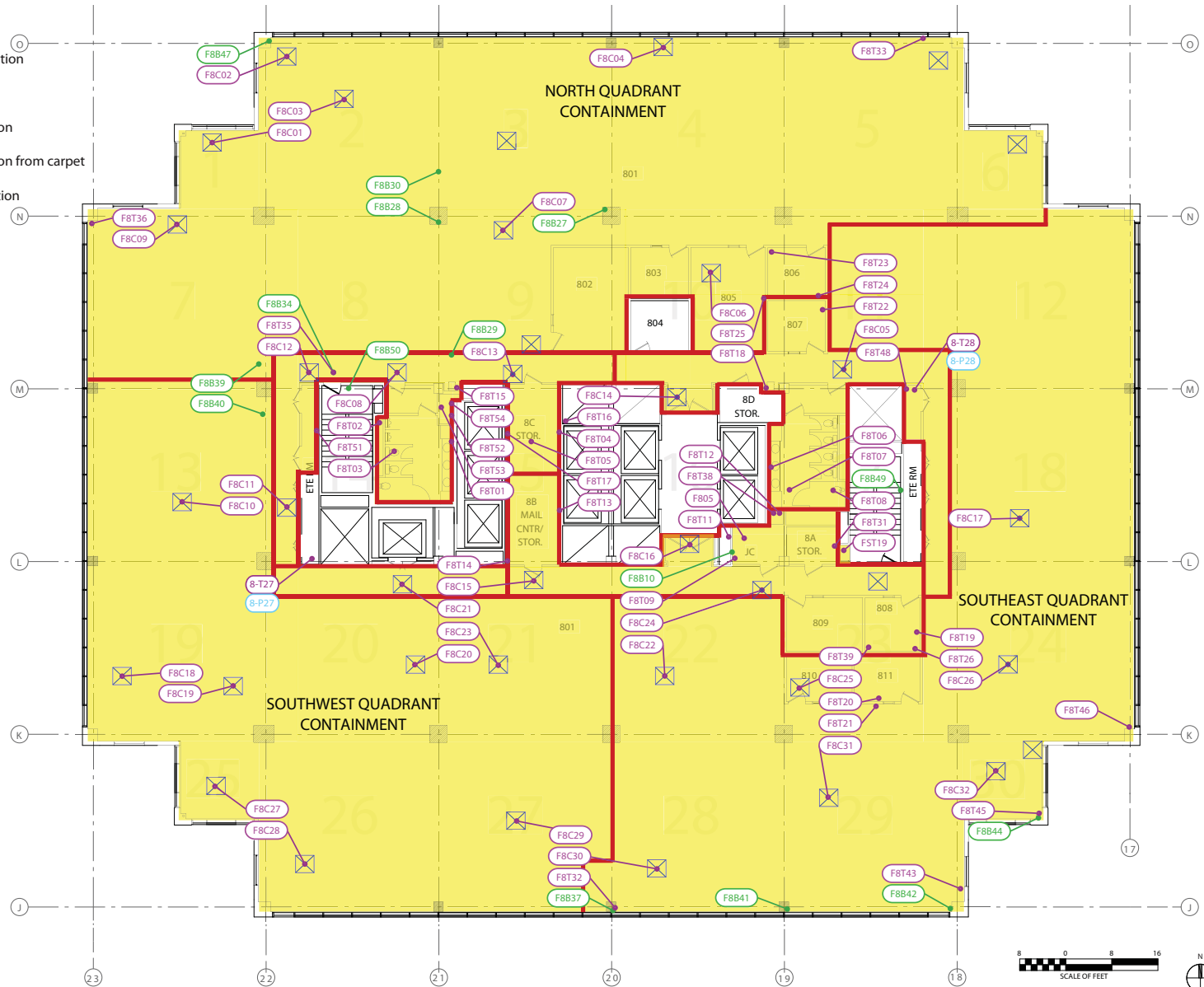
Water Damage Assessment - Revised (Jan 2013)
Board of Equalization Building, Mold Remediation
450 N Street, Sacramento, California

8th Floor

Figure 1

LEGEND

-  Carpet inspection location
-  Bulk sample location
-  Tape lift sample location
-  Tape lift sample location from carpet
-  MicroVac sample location
-  Containment barrier
-  Containment location



Daily Logs



PROJECT LOG

DATE: 12/27/10

LACROIX DAVIS LLC
3685 MT. DIABLO BLVD. SUITE 210
LAFAYETTE, CA 94549
TEL 925-299-1140 FAX 925-299-1185

LCD REPS: 2; ; PAGE 1 OF 2

Client	Department of General Services (DGS)	Contractor: JLS Environmental	Day <input checked="" type="checkbox"/> Swing <input type="checkbox"/> Weekend/Holiday <input type="checkbox"/>
Project	Board of Equalization (BOE)	Location(s):	Floor <u>19</u> Floor <u> </u> Floor <u>7</u> Floor <u>8</u>
Building	450 N Street, Sacramento CA	Compound(s) of Concern	Mold <input checked="" type="checkbox"/> ACM <input type="checkbox"/> LBP <input type="checkbox"/> Other <u> </u>
LCD Project # -Task	2372.0 <u>2</u> -572; SOW <u>5.0</u>	Description:	<u>Containments 19</u>
LCD Project # -Task	2372.0 <u>2</u> -572; SOW <u>4.0</u>	Description:	<u>Spill Response 8,7</u>
LCD Project # -Task	2372.0 <u> </u> -572; SOW <u> </u>	Description:	<u> </u>

CONTAINMENT INFORMATION

- Floor Occupied ☐ Floor Vacant ☒
- Containments: a) b) c) d) e) f)
- Type of Containment: NPE ☐ Mini ☐ Barrier Tape ☐ Minor Procedures ☐ N/A ☐
- Type of Decon: Shower ☐ 2-Stage ☐ 1Stage ☐ Drop Sheet W/Vacuum ☐ None ☐
- Manometer: Yes ☐ No ☐ Strip Chart Record: Yes ☐ No ☐ Adequate Pressure: Yes ☐ No ☐
- Containment Entry Log: Yes ☐ No ☐
- Containment and Decon maintained in accordance with accepted practices and procedures: Yes ☐ No ☐
- HEPA Fans and Vacuums have current aerosol challenge test sticker: Yes ☐ No ☐
- Negative Air Exhaust Location: Window ☐ Shaft ☐ Stairs ☐ Interior ☐ Exterior ☐
- Security: Owner ☒ Contractor ☐ Private ☐ 24 hour ☒ Secure Building ☒

SUMMARY OF ACTIVITIES

Mob ☐ Prep ☒ Removal/Load Out ☐ Detail Clean ☐ Encapsulation ☐ Clearance Testing ☐ Tear Down ☐ DeMob ☐
Phase Completion Visual Inspection: Prep ☐ Removal ☐ Encapsulation ☐ Clearance ☐ Tear Down ☐

Summary: Continue to prep 19-N; restroom build back
19-S completed today
JLS crew worked late last night at another
site so only a few workers available; will only finish unwrapping
19S today; will start carpet removal of 19N on Tuesday
afternoon at earliest.

Waste: Non-Hazardous Construction Debris ☒ Hazardous Waste ☐ Hazardous Waste Manifest ☐
Container: 6 Mil ☒ Double 6 Mil ☐ Barrel ☐ Drum ☐ Box ☐ Burrito Wrap ☐ Labels ☐ Other ☐
Location of Dumpster: Floor 1 SW Garage
Additional Worker PPE: Disposable Suit ☐ Gloves ☐ Eye Protection ☐ Steel Toe ☐ Hard Hat ☐ Chem Apron ☐
Respirator: Half Face ☐ Full Face ☐ PAPR ☐ Supplied Air ☐
Contractor Worker Exposure Monitoring Yes ☐ No ☒ # Workers Sampled 0
On-Site Visitors: 1. 2. 3. 4.

PERSONAL EXPENSES:Hotel: _____ Per Diem: _____ Travel: RT Destination: Lafayette to site**FIELD SUPPLIES:** PPE: Suits _____ Gloves (pairs) _____ Respirator filters: _____ Misc: _____**LAB EXPENSES:** Type/No. Samples collected: Tape _____ Bulk _____ Air _____

Laboratory Name/Location: _____

NotesShift 7-3³⁰ (normal)0915 received a call from Joan Armstrong reporting sink overflow
in Breakroom 807 → water-stained ceiling tiles on 7WO submitted 12/24 @ 1:00 pmgrey water/black water protocol?

[1800 (w/ JLS) clean counter and floor; pull cove base
Breakroom] wipe down wall and cove base w/ Simple Green
use scrubber to blow area dry and scrub air.
7th floor cubicle: extract water in carpet. use snail
fan in same area. Remove wet ceiling tiles; open
ceiling; inspect; direct blowers up into ceiling area;

Signature Chris CorpeyDate 12/27/10



PROJECT LOG

DATE: 12/29/10

LACROIX DAVIS LLC
3685 MT. DIABLO BLVD. SUITE 210
LAFAYETTE, CA 94549
TEL 925-299-1140 FAX 925-299-1185
LCD REPS: DMI ; _____ ; _____

PAGE 1 OF 2

Client	Department of General Services (DGS)	Contractor: JLS Environmental	Day <input checked="" type="checkbox"/> Swing _____ Weekend/Holiday _____
Project	Board of Equalization (BOE)	Location(s):	Floor <u>19</u> Floor <u>8</u> Floor <u>7</u> Floor <u>4</u>
Building	450 N Street, Sacramento CA	Compound(s) of Concern	Mold _____ ACM _____ LBP _____ Other _____
LCD Project # -Task	2372.0 <u>2</u> -572; SOW <u>5.0</u>	Description:	<u>19 Contaminants</u>
LCD Project # -Task	2372.0 <u>2</u> -572; SOW _____	Description:	<u>Construction meetings</u>
LCD Project # -Task	2372.0 <u>2</u> -572; SOW <u>4.0</u>	Description:	<u>inspect flood locations</u>

CONTAINMENT INFORMATION

- Floor Occupied _____ Floor Vacant ☒
- Containments: a) 19N b) 1917 c) _____ d) _____ e) _____ f) _____
- Type of Containment: NPE 19N Mini _____ Barrier Tape _____ Minor Procedures _____ N/A _____
- Type of Decon: Shower _____ 2-Stage 19N 1Stage _____ Drop Sheet W/Vacuum _____ None _____
- Manometer: Yes 19N No _____ Strip Chart Record: Yes 19N No _____ Adequate Pressure: Yes 19N No _____
- Containment Entry Log: Yes 19N No _____
- Containment and Decon maintained in accordance with accepted practices and procedures: Yes ☒ No _____
- HEPA Fans and Vacuums have current aerosol challenge test sticker: Yes ☒ No _____
- Negative Air Exhaust Location: Window _____ Shaft _____ Stairs _____ Interior ☒ Exterior _____
- Security: Owner ☒ Contractor _____ Private _____ 24 hour ☒ Secure Building ☒

SUMMARY OF ACTIVITIES

Mob _____ Prep 19N Removal Lead Out 19N Detail Clean _____ Encapsulation _____ Clearance Testing _____ Tear Down _____ DeMob _____
Phase Completion Visual Inspection: Prep 19N Removal _____ Encapsulation _____ Clearance _____ Tear Down _____
Summary: complete prep 19N - to 11:00 AM - verify/approve
begin carpet removal - 12:00 to 15:30 observe removal & photo doc
complete core base removal - observe

Waste: Non-Hazardous Construction Debris _____ Hazardous Waste _____ Hazardous Waste Manifest _____
Container: 6 Mil _____ Double 6 Mil _____ Barrel _____ Drum _____ Box _____ Burrito Wrap _____ Labels _____ Other _____
Location of Dumpster: Floor 1 SW Garage
Additional Worker PPE: Disposable Suit _____ Gloves _____ Eye Protection _____ Steel Toe _____ Hard Hat _____ Chem Apron _____
Respirator: Half Face _____ Full Face _____ PAPR _____ Supplied Air _____
Contractor Worker Exposure Monitoring Yes _____ No ☒ # Workers Sampled 0
On-Site Visitors: 1 Gustav ANTWI - DGS2 Ken Firchau BPM 1 _____ 4. _____

Date: 12/29/10Page 2 of 2**PERSONAL EXPENSES:**Hotel: ✓ Per Diem: ✓ Travel: ✓ Destination: site (Lat to, etc) x 2**FIELD SUPPLIES:** PPE: Suits 1/1 Gloves (pairs) 1/1 Respirator filters: Misc: **LAB EXPENSES:** Type/No. Samples collected: Tape Bulk 1 Air Laboratory Name/Location: EML P & K, W. Saeto**Notes**

Shift 7 = 3³⁰ 19N Prep + Removal plan
 7 prep continues - ceiling poly, decoa, Diff Pressure System
 9:30 weekly construction meetings - inspect 7, 8 and 4 aft hrs.
 prep continues 19N to 11:00 break
 11:00 check 19N containment - OK for removal
 12:00 crew begins carpet removal East area proceeds West
 (inspect remaining cone base removal w/ HTI - ~~no~~ ISSUES)
 suspect staining on all carpet back - HTI samples various stain
 13:30 break to 13:45
 13:45 - continue removing carpet Center North to West.
 coordinate PM inspection w/ HTI
 14:30 observe removal - photo doc 19N
 15:00 Removal proceeds to West Zone - no bag/load out planned
 15:30 shift completed - meet w/ HTI re: inspection
 16:00 of Floor 7 Fireproofing & Floor 8 Breakroom
 18:00 perform F7 & F8 inspection solo
 F7 - FP dry 12.0 px - sample pending
 F8 Breakroom cabinet and CB wall dry - ok reattach
 cone base
 19:30 deliver samples to lab & COC.

Notes re: meeting FW: protocol - grey/black/BBP to CC for mod/inclusion in O&M
 Floor 5 - may involve double shifts due to condensed duration.
 Halon training 1/3/10
 new data receive floor 5 (1/24)

Signature

ThomsonDate 12/29/10



PROJECT LOG

DATE: 10/2/11

LACROIX DAVIS LLC
3685 MT. DIABLO BLVD. SUITE 210
LAFAYETTE, CA 94549
TEL 925-299-1140 FAX 925-299-1185

LCD REPS: TMI; ; PAGE 1 OF 2

Client	Department of General Services (DGS)	Contractor: JLS Environmental	Day <input checked="" type="checkbox"/> Swing <input type="checkbox"/> Weekend/Holiday <input type="checkbox"/>
Project	Board of Equalization (BOE)	Location(s):	Floor <u>8</u> Floor <u>5</u> Floor <u>1</u> Floor <u> </u>
Building	450 N Street, Sacramento CA	Compound(s) of Concern	Mold ACM LBP Other <u> </u>
LCD Project #	2372.0 <u>2</u> -572; SOW <u>5.0</u>	Description:	<u>Floor 1 FRP & Dry Cave</u>
LCD Project #	2372.0 <u>2</u> -572; SOW <u>4.0</u>	Description:	<u>pH testing</u>
LCD Project #	2372.0 <u> </u> -572; SOW <u> </u>	Description:	<u> </u>

CONTAINMENT INFORMATION

- Floor Occupied ☒ Floor Vacant ☐
- Containments: a) b) c) d) e) f)
- Type of Containment: NPE Mini Barrier Tape Minor Procedures N/A
- Type of Decon: Shower 2-Stage 1Stage Drop Sheet W/Vacuum None
- Manometer: Yes No Strip Chart Record: Yes No Adequate Pressure: Yes No
- Containment Entry Log: Yes No
- Containment and Decon maintained in accordance with accepted practices and procedures: Yes No
- HEPA Fans and Vacuums have current aerosol challenge test sticker: Yes No
- Negative Air Exhaust Location: Exterior Window Shaft Exhaust Duct Interior
- Security: Owner Contractor Private 24 hour Secure Building

SUMMARY OF ACTIVITIES

Mob Prep Removal/Load Out Detail Clean Encapsulation Clearance Testing Tear Down DeMob

Phase Completion Visual Inspection: Prep Removal Encapsulation Clearance Tear Down

Summary: VCT/concrete pH testing Room 522 and 8A

Waste: Non-Hazardous Construction Debris Hazardous Waste Hazardous Waste Manifest

Container: 6 Mil Double 6 Mil Barrel Drum Box Burrito Wrap Labels Other

Location of Dumpster:

Additional Worker PPE: Disposable Suit Gloves Eye Protection Steel Toe Hard Hat Chem Apron

Respirator: Half Face Full Face PAPR Supplied Air

Contractor Worker Exposure Monitoring Yes No # Workers Sampled

On-Site Visitors: 1. M. Hoy 2. 3. 4.

LaCroix Davis Project LOG

Date: 10/2/11Page 2 of 2PROJECT EXPENSES: Hotel: ☒ Per Diem: ☒ Travel: ☒ Destination: LabFIELD SUPPLIES: PPE: Suits _____ Gloves (pairs) 2 Respirator filters: _____ Misc: _____

LAB: Type/No. Samples collected: Tape _____ Bulk _____ Air _____

Laboratory Name/Location: dup tape lefts - EML P&K

Notes

0800 meet w/ HTI and JLS to perform pH testing
 M: Hou on-site for weekend update - discuss
 wall cavity stains - growth was obvious on VCT side of
 wall cavities in each area - (flood event or mold?)
 light stains on opposite side of wall cavity in Janitor Room
 wasn't close to plumbing in wall cavities - same as FRP Rm.

9:00 perform pH testing w/ JLS & HTI
 Room 522

9:15	Location 1	pH paper	pH meter	RH	Temp
	NE area (near door)	10+	11.13	52.6	73.7
	Location 2	not performed			

Room 8A

Location 1

9:45	NE area	10-11	11.40	52.2	75.9
	Location	not performed			

chain of custody and deliver tape paper to EML P&K

Signature

Theomda

Date

10/2/11



When quality and accuracy are critical.

9/26/2012

LaCroix Davis, LLC
3685 Mt. Diablo Blvd. Suite 210
Lafayette, CA 94549

To Whom It May Concern:

The following data qualifier is reported for all samples in which prior to the release, the replicate quality control sample was not completed:

“Analysis of replicate sample is delayed.”

In all instances where this data qualifier was reported for LaCroix Davis, LLC projects “DGS-BOE”, all replicate samples have since been analyzed and quality control reviews have been completed. All reported data should therefore be considered accurate and final.

Please feel free to contact me if you have any further questions in this regard.

Sincerely,

Dr. Kamashwaran Ramanathan
Laboratory Director